

JD1-2

Illustra Usage in ECS



Release A

- Used for Document Repository in DDSRV

Release B

- Continues to be used for Document Repository in DDSRV
- Used for Metadata Repository in SDSRV

HTTP Server Tools Selection



*Illustra/Netscape/Verity solution selected as winner of
HTTP Server Tools competitive procurement effort.*

BTG Technologies, Inc.

- Netscape Communications Corp., Netscape Commerce Server

Information Dimensions, Inc. (IDI)

- IDI BASIS WEBserver
- BASISplus document management system

Illustra Information Technologies, Inc.

- America Online/Navisoft, Inc. NaviServer HTTP server
- NaviPress document publishing software
- America Online/WAIS, Inc. WAISgate WAIS search software
- Illustra Server with Illustra Web and 2D Spatial Datablade options

Illustra Information Technologies, Inc.

- Netscape Communications Corp., Netscape Commerce Server HTTP server
- Verity Topic search and indexing software
- Illustra Server with the Illustra Web Datablade option

McBride and Associates, Inc.

- Netscape Communications Corp., Netscape Commerce Server

Illustra Selection



The “whys” as briefed at IDR-B:

- Integrates spatial query searching and data management in the database engine
- Provides extensibility through user defined datatypes and operations
- Mitigates technical risk

Illustra Selection (cont.)



Work since IDR-B that validates the selection:

- ECS ESQL study recommends use of Illustra’s SQL3 as the ESQL standard
 - SQL3 standard
 - ODMG’s OQL
 - Vendor specific SQL extensions limited to Sybase and Illustra
 - Evaluation of Oracle, Informix, and OODBMS SQL extensions as backup
- Permits schema reduction (i.e., # of tables) which should improve overall performance
- Provides good impedance match with OMT-defined objects
- Provides evolutionary capabilities for dynamic datatypes, DLLs, and CSDTs
- Benchmark Prototype experience thus far has validated “robustness” of product

Illustra SOW Status



Primary SOW

- SOW is signed
- DCE requirements for Illustra have been clarified
- Spatial query questions from Illustra have been resolved

Manageability SOW

- Received draft SOW for Release A capabilities from Illustra - 4/3
- Draft SOW for Release B capabilities in progress

Illustra/Informix Merger



Illustra is committed to delivering Release 3.3 to ECS on 8/7/96

Informix purchased Illustra on 12/20/95

Illustra is now a wholly owned subsidiary of Informix

- Illustra organization and location maintained

Illustra and Informix are producing the Universal Data Server (UDS)

- Provides evolvability for ECS
- Merges the Informix 7.2 DBMS Engine architecture with the Illustra data types and extensibility features
- UDS to be provided as a Beta product in 9/96 with a reduced feature set
- UDS to be provided to “partner” customers in 12/96 as a production level product

Options for ECS UDS Use



Release B has baselined use of Illustra Release 3.3

ECS will continue assessment of UDS development during the year

UDS offers many advantages

- Performance and scalability of multi-threaded architecture
- Parallel operations in the DBMS engine
- Built-in SNMP capability
- Enhanced database administration support
- Distributed database support

Integration of UDS could occur during I&T

- Employ all known “caveats” during development for ease of transition
- Take advantage of Illustra “conversion” offer

Illustra Next Steps



Illustra Actions:

- Continue monthly updates on UDS status/progress
- Test performance of UDS as development continues using Sybase/ Illustra Benchmark data
- Continue work on Manageability SOW for Release B functionality
- Deliver Release 3.3 on 8/7/96

ECS Actions:

- Review Manageability Release A SOW
- Work with Illustra on SOW for current consultant
- Establish next training session(s)
- Provide benchmark data and software
- Provide acceptance test criteria for Release 3.3